The invention relates to an isolated PRO52254 nucleic acid. Further CC disclosed is a vector comprising the nucleic acid. The PRO52254 nucleic acid or polypeptide is useful for preparing a composition for diagnosing composition for diagnosing a retartion of the profession of profession associated disease, praft rejection or graft-versus-host-compensation of the profession of the professi

Sequence 831 BP; 186 A; 234 C; 238 G; 173 T; 0 U; 0 Other;

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Local Similarity

Query Match Best Local Simi Matches 831; 601 481 481 TGCCAGGTTCCAGATTCCATTGCTTGGAGCCATGGCCGCGACGCTGGTGGTCATCTGCAC 421 361 421 361 CCAGTCGCTGAACGGTGAACGATACAGGGGAGTACTTCTGCATCTATCACACCCTACCCTGA 420 301 301 241 241 181 181 АGAGAAAGGTGGCTCTATCATCTTACAATGTCACCTCTCCTCCACCACGGCACAAGTGAC 121 121 13 61 -GGAAGGTGACCTCAGGAGAAAATCAGCTGGACAGGAGGAATGGAGCCCCAGTGCTCCCTC AGCAGTCATCGTGGTCGCGTTGACTAGAAAGAAGAAAGCCCTCAGAATCCATTCTGT TGGGACGTACACTGGGAGAATCTTCCTGGAGGTCCTAGAAAGCTCAGTGGCTGAGCACGG AGCAGTCATCGTGGTGGTCGCGTTGACTAGAAAGAAGAAAGCCCCTCAGAATCCATTCTGT TGGGACGTACACTGGGAGAATCTTCCTGGAGGTCCTAGAAAGCTCAGTGGCTGAGCACGG ccaercecteaccereaacearacaeeeeaceractrececarcarcacaccracecrea GCACATCTCCCATCCTTCAAGGATCGAGTGGCCCCAGGTCCCGGCCTGGGCCTCACCCT GCACATCTCCCCATCCTTCAAGGATCGAGTGGCCCCAGGTCCCGGCCTGGGCCTCACCCT CCAGGTCAACTGGGAGCAGCAGGACCAGCTTCTGGCCATTTGTAATGCTGACTTGGGGTG CCAGGTCAACTGGGAGCAGCAGCAGCAGCTTCTGGCCATTTGTAATGCTGACTTGGGGTG 300 AGAGAAAGGTGGCTCTATCATCTTACAATGTCACCTCTCCTCCACCACGGCACAAGTGAC GGCT CCCTCGCCTCAGGAATGATGACAGGCACAATAGAAACAACGGGGAACATTTCTGC GGCTCCCCTCGCCTCAGGAATGATGACAGGCACAATAGAAACAACGGGGAACATTTCTGC CCCTCTGGGCAGAAGCATGCGCTGGTGTCTCCTCCTGATCTGGGCCCAGGGGCTGAGGCA CCCTCTGGGCAGAAGCATGCGCTGGTGTCTCCTCCTGATCTGGGCCCAAGGGCTGAGGCA 120 CGTCCTATCTGCAGTCGGCTACTTTCAGTGGCAGAAGAGGCCACATCTGCTTCCTGTAGG certectarerecteckereceiraerrickerectaskaskasecekekrerectricererkes Conservative 100.0%; Score 831; DB 12; Length 831; 100.0%; Pred. No. 4.6e-226; <u>.</u> Mismatches Indels 0, 660 540 600 540 480 480 420 360 360 300 240 240 180 180 60 60

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LT 2 1190 ADA21								
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RESULT 2 ADA21190 ID ADA21190 standard; cDNA; 1711 BP.	781 TAACTGCAGCTTCTCACAGAGACTGGTTAGCAACCAGAGGCATCTTCTCG 831	TAACTGCAGCTTCTTCACAGAGACTGGTTAGCAACCAGAGGCATCTTCTGG 831	721 GGGAGAGGACTGTGCCGAGCTGCATGACTTCAATGTCCTGAGTTACAGAAGCCTGGG 780	721 GGGAGAGACTGTGCCGAGCTGCATGACTACTTCAATGTCCTGAGTTACAGAAGCCTGGG 780	661 ACCCCAGGAAGCTGTGTCCAGGCAGAAGCTGCACCTGCTGGGCTCTGTGGAGAGAGCAGCG 720	661. ACCCCCAGGAAGCTGTGTCCAGGCAGGAAGCTGCTGCTGGGGCTCTGTGGAGAGCAGCG 720	601 GGAAGGTGACCTCAGGAGAAAATCAGCTGGACAGGAGGAATGGAGCCCCAGTGCTCCCTC 660	
			780	780	720	720	660	

ADA21190;

(first entry)

secreted protein SECP-44 encoding cDNA SEQ ID NO:95.

KW ophthalmological; antirheumatic; haemostatic; antipacterial; virucide;
KW protozoacide; fungicide; gene therapy; cell proliferative disorder;
KW arteriosclerosis; atherosclerosis; cirrhosis; hepatitis;
KW paroxysmal nocturnal haemoglobinuria; polycythaemia vera; psoriasis;
KW paroxysmal nocturnal haemoglobinuria; polycythaemia vera; psoriasis;
KW primary thrombocytopaenia; cancer; developmental disorder;
KW primary thrombocytopaenia; anaemia; mental retardation;
KW neurological disorder; Alzheimer's disease; Parkinson's disease;
KW epilepsy; autoimmune disorder; inflammatory disorder; AlDS; allergy;
KW asthma; autoimmune thyroiditis; contact dermatitis; Crohn's disease;
KW diabetes mellitus; glomerulonephritis; Goodpasture's syndrome;
KW Graves' disease; Hashimoto's thyroiditis; irritable bowel syndrome;
KW multiple sclerosis; osteoarthritis; osteoporosis; pancreatitis;
KW Reiter's syndrome; rheumatoid arthritis; Sjogren's syndrome; uveitis; antiarteriosclerotic; antiasthmatic; immunosuppressive; antithyroid; cytostatic; hepatotropic; dermatological; antidiabetic; nephrotropic; antigout; thyromimetic; neuroprotective; osteopathic; artiparasitic; antihelminthic; antipaoriatic; uropathic; human; secreted protein; SECP; anti-HIV; antiallergic; antiinflammatory; antianaemic; antiparkinsonian; nootropic; anticonvulsant;

Homo sapiens

WO2003068943-A2

13-FEB-2003; 2003WO-US004712.

13-FEB-2002; 2002US-0357002P. 06-MAR-2002; 2002US-0362439P. 19-MAR-2002; 2002US-0366041P.

(INCY-) INCYTE GENOMICS INC.

Hafalia AJA, Lehr-Mason PM, Chawla NK, Tra Khare Peterson DP, ₩, DP, Fu GK, Lee S, Lee PM, Kable AE, Elliott VS, Marquis JI Tran UK, Jin P, Tang YT, Zebarjadia Cocks BG, Warren BA, Emerling BM, Fu GK, Yue H, Jackson AA, Jiang Jee S, Lee SY, Richardson TW, Chang J Marquis JP, Baugnn ,,, Zebarjadian Y, Swarnakar A, merling BM, Pearson CI, Chie , Tiang X, Hawkins PR, La Chien R, Lal

WPI; 2003-689669/65. P-PSDB; ADA21139.

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New human secreted proteins and polynucleotides, useful for diagnosing, treating or preventing autoimmune or inflammatory disorders (e.g. AIDS, allergy, asthma or anemia), multiple sclerosis, osteoporosis, cancer or hepatitis.

Claim 5; Page 288;

295pp; English.

CC antiparkinsonian, notropic, anticonvulsant, antiarterioscierotic, CC antiparkinsonian, notropic, anticonvulsant, antiarterioscierotic, hepatotropic, antiasthmatic, immunosuppressive, antithyroid, cytostatic, hepatotropic, CC antischmatic, immunosuppressive, antipout, thyromimetic, CC antischmatic, haemostatic, enphrotropic, antigout, thyromimetic, CC antischmatic, haemostatic, uropathic, ophthalmological, antiparterioscide activities, and can be used in gene therapy. The human secreted fungicide activities, and can be used in gene therapy. The human secreted cc proteins (SECP), polymuclectides, agonists and antagonists of the present cc proteins (SECP), polymuclectides, agonists and antagonists of the present cc associated with aberrant expression of SECP, particularly cell cc proliferative disorders (e.g. arteriosclerosis, atherosclerosis, corrected proliferative disorders (e.g. arteriosclerosis, atherosclerosis, polycythaemia cc disorders (e.g. thrombocytopaenia or cancer), developmental cc disorders (e.g. altachmatory disorders (e.g. altachmatory disorders (e.g. altachmatory disorders (e.g. altorimal haemoslobinuria, polycythaemia cc disorders (e.g. altorimal proliferative), autoimmune/inflammatory disorders (e.g. Alzachmatori e.g. allergies, cc disbetes mellitus, glomerulomephritis, Goodpasture's syndrome, gout, cc disbetes mellitus, osteoarthitis, osteoporosis, panoreatitis, reliter's syndrome, rheumatoid arthritis, signera's syndrome, uveitis, or viral, cc particularis, parasitic, protozoan or helminthic infections. The exceptions compounds on the expression of mucleic acids secreted proteins. cc animals to model human disease. present sequence encodes a human secreted protein (I) designated (I) have anti-HIV, antiallergic, antiinflammatory, antianaemic, human disease. SECP

Sequence 1711 BP; 424 A; 430 C; 420 G; 437 T; 0 U; 0 Other;

Length 1711;

Local Similarity

Query Match Best Local Simi Matches 831; 1120 1360 1300 1180 1240 1060 1000 481 421 361 301 241 181 121 940 088 61 TGCCAGGTTCCAGATTCCATTGCTTGGAGCCATGGCCGCGACGCTGGTGGTCATCTGCAC 540 TGGGACGTACACTGGGAGAATCTTCCTGGAGGTCCTAGAAAGCTCAGTGGCTGAGCACGG CCAGTCGCTGAACGATACAGGGGAGTACTTCTGCATCTATCACACCTACCCTGA 1299 GCACATCTCCCCATCCTTCAAGGATCGAGTGGCCCCAGGTCCCGGCCTGGGCCTCACCCT GCACATCTCCCCATCCTTCAAGGATCGAGTGGCCCCAGGTCCCGGCCTTCGGCCCT CCAGGTCAACTGGGAGCAGCAGCAGCTTCTGGCCATTTGTAATGCTGACTTGGGGTG AGAGAAAGGTGGCTCTATCATCTTACAATGTCACCTCTCCTCCACCACGGCACAAGTGAC GGCTCCCCTCGCCTCAGGAATGATGACAGGCACAATAGAAAACAACGGGGGAACATTTCTGC CCCTCTGGGCAGAAGCATGCGCTGGTGTCTCCTCCTGATCTGGGCCCAGGGGCTGAGGCA 120 TGCCAGGTTCCAGATTCCATTGGAGCCATGGCCGCGACGCTGGTGGTCATCTGCAC 1419 TGGGACGTACACTGGGAGAATCTTCCTGGAGGTCCTAGAAAGCTCAGTGGCTGAGCACGG CCAGTCGCTGACCGTGAACGATACAGGGGAGTACTTCTGCATCTATCACACCTACCCTGA AGAGAAAGGTGGCTCTATCATCTTACAATGTCACCTCTCCTCCACCACGGCACAAGTGAC 1119 CGTCCTATCTGCAGTCGGCTACTTTCAGTGGCAGAAGAGGGCCACATCTGCTTCCTGTAGG CCAGGTCAACTGGGAGCAGCAGGACCAGCTTCTGGCCATTTGTAATGCTGACTTGGGGTG GGCTCCCCTCGCCTCAGGAATGATGACAGGCACAATAGAAACAACGGGGAACATTTCTGC CCCTCTGGGCAGAAGCATGCGCTGGTGTCTCCTCCTGATCTGGGCCCAGGGGCTGAGGCA CGTCCTATCTGCAGTCGGCTACTTTCAGTGGCAGAAGAGGCCACATCTGCTTCCTGTAGG 100.0%; Silarity 100.0%; For Conservative 0; Score 831; DB 9; Pred. No. 6.1e-226; Mismatches 0; Indels 0, Gaps 420 , 999 1359 1239 1179 240 1059 180 939 480 360 0

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RESULT 3 AAC95484

AAC95484 standard; cDNA; 1332 ₽₽

AAC95484;

21-FEB-2001

(first entry)

Human secreted protein gene 23 SEQ ID NO:33

cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; hyperproliferative disorder; neoplasm; autoimmune disease; rheumatoid arthritis; cardiovascular disorder; cerebrovascular disorder; cerebral ischaemia; angiogenesis; viral; nervous system disorder; Alzheimer's disease; bacteria; infection; cell proliferation; skin aging; wound healing; chemotaxis; Human; secreted protein; immunosuppressive; antiarthritic; vulnerary; antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; food additive;

Homo sapiens

WO200058334-A1

05-OCT-2000.

22-MAR-2000; 2000WO-US007507

26-MAR-1999; 17-DEC-1999; 99US-0126594P 99US-0172408P

(HUMA-) HUMAN GENOME SCI INC.

WPI; 2000-611701/58. DB; AAB51951.

Rosen

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Ruben SM,

Komatsoulis

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New nucleic acid molecules encoding 50 human secreted proteins for diagnosing, preventing, treating or ameliorating medical conditions diagnosing, preventing, used as food additives or preservatives.

Claim 1; Page 341-342; 402pp; English.

Polynucleotide sequences AAC95462 - AAC95511 represent cDNA encoding 50 human secreted proteins AAB51929 - AAB51978. Sequences AAB51979 - AAB52010 represent alternative polypeptides encoded by the genes, and amino acid sequences with which they share homology. The genes and proteins have activities dependent on the tissues and cells in which they are expressed. Examples of their activities include immunosuppressive; antiarthritic; antirheumatic; antiproliferative; cytostatic; cardiant;

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CC vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial;
CC virucide; fungicide; opthalmalogical; and vulnerary. The secreted
CC proteins, polypeptides, antagonists and agonists may be useful in
CC treating, preventing and/or diagnosing diseases and disorders such as
CC autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative
CC disorders e.g. e.g. rheumatoid arthritis, hyperproliferative
CC e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia,
CC angiogenesis, nervous system disorders e.g. Alreimer's disease,
CC infections caused by bacteria, viruses and fungi and ocular disorders
CC e.g. corneal infection. The polypeptides can also be used to aid wound
CC healing and epithelial cell proliferation, to prevent skin aging due to
CC culture of primary tissues, to regenerate tissues and in chemotaxis. The
CC culture of primary tissues, to repenerate tissues and in chemotaxis. The
CC increase or decrease storage capabilities, fat content, lipid, protein,
CC increase or decrease storage capabilities, fat content, lipid, protein,
CC carbohydrate, vitamins, minerals, cofactors and other nutritional
CC components. Olignucleotides AAC95453 - AAC95461 and peptide AAB51928 are
CC concerns and characterisation of the proteins and
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CACCCCAGGAAGCTGTGTCCAGGCAGAAGCTGCACCTGCTGGGCTCTGTGGAGAGCAGC
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CACCCCAGGAAGCTGTCCAGGCAGGAAGCTGCACCTGCTGGGGCTCTGTGGAGAGC

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The invention relates to isolated human immune-related polypeptides (designated PRO) and nucleic acids (ADL91486-ADL91587). The PRO polypeptides are overexpressed in CD4-T cells activated by anti-CD3/ICAM-1 or anti-CD3/anti-CD28 antibodies compared with resting T cells and are useful as diuagnostic markers and therapeutic targets for immune

Claim

SEQ ID NO 6; 199pp;

English.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KW stimulation; immune response; stimulation; diagnosis; immune disorder;

KW systemic lupus erythematosus; rheumatodia arthritis; osteoarthritis;

KW juvenile chronic arthritis; spondylaarthropathy; systemic sclerosis;

KW juvenile chronic arthritis; spondylaarthropathy; systemic sclerosis;

KW idiopathic inflammatory myopathy; Sjogren's syndrome;

KW systemic vasculitis; sarcoidosis; autoimmune haemolytic anaemia;

KW idiopathic demyelinating thyroiditis; diabetes mellitus;

KW immune-mediated renal disease; demyelinating disease;

KW idiopathic demyelinating polyneuropathy; duilain-Barre syndrome;

KW idiopathic demyelinating polyneuropathy; hepatobiliary disease;

KW inflammatory bowel disease; gluten-sensitive enteropathy;

KW yranulomatous hepatitis; sclerosing cholangitis;

KW whipple's disease; autoimmune skin disease; contact dermatitis; psoriasis;

KW whillous skin disease; erythema multiforme; contact dermatitis; psoriasis;

KW bullous skin disease; erythema multiforme; contact dermatitis;

KW whillous skin disease; erythema multiforme; pneumonia;

KW allergic disease; asthma; allergic rhintits; neomica;

KW diopathic pulmonary fibrosis; hypersensitivity pneumonitis;

KW transplantation associated disease; jaraft rejection;

KW transplantation associated disease; antiasthmatic; antipsoriatic;

KW hepatotropic; nephrotropic; antidiabetic; antiasthmatic; antipsoriatic;

M neuroprotective; respiratory; antififammatory; cene is se
                                                                                                                                                                                                                                                                            Bodary SC
Williams
                                                                                                                                         New PRO nucleic acid, useful for preparing a composition for diagnosing or treating an immune related disorder, e.g., systemic lupus erythematosus in a mammal.
                                                                                                                                                                                                                    P-PSDB;
                                                                                                                                                                                                                                                                                                                                                                  11-SEP-2002; 2002US-0410340P
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                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
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                                                                                                                                                                                                                    2004-329384/30.
)B; ADL91492.
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                                                                                                                                                                                                                                                                        SC, Clark H,
ms PM, Wood WI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRO; activated T cell; immune-related; drug screening; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GGGGAGAGGACTGTGCCATGACTACTTCAATGTCCTGAGTTACAGAAGCCTGG 1014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                standard; cDNA; 1332 BP
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                                                                                                                                                                                                                                                                      Hunte B, I, Wu TD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antiinflammatory; gene therapy; gene; ss
                                                                                                                                                                                                                                                                                         Jackman JK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO:6.
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New PRO polypeptides, useful for diagnosing and treating an immune related disorder, e.g. systemic lupus crythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic arthritis, thyroiditis diabetes mellitus. cell proliferation; cell migration; cell differentiation; mitogenic factor; survival factor; cytotoxic factor; differentiation factor; neuropeptide; hormone; cell receptor; Williams PM, (GETH ) 22-FEB-2002; 2002US-0359461P. 21-PEB-2003; 2003WO-US005241 WO2003072035-A2 Homo sapiens human; PRO; membrane bound protein; membrane bound Novel human 26-PEB-2004 ADP76825 ADF76825 standard; receptor-ligand 241 241 181 181 121 121 61 61 GENERITECH INC ADF76824. **TETG 244** IKIG Clark H, secreted and transmembrane protein SeqID 500. (first entry) Wood WI, 244 interaction; protein; Hunte B, 257 cytostatic; chondrocyte; tumour Jackman Į, Schoenfeld JR; receptor; e

RKSAGQBEWSPSAPSPPGSCVQABAAPAGLCGEQRGEDCABLHDYFNVLSYRSLGNCSFF RIFLEVLESSVAKHGARFQIPLLGAMAATLVVICTAVIVVVALTRKKKALRIHSVEGDLR RKSAGQBEWSPSAPSPPGSCVQARAAPAGLCGEQRGEDCAELHDYPNVLSYRSLGNCSFF RIFLEVLESSVAEHGARFQIPLLGAMAATLVVICTAVIVVVALTEXXXALRIHSVEGDLR 180 QQDQLLAICNADLGWHISPSFKDRVAPGPGLGLTLQSLTVNDTGEYFCIYHTYPDGTYTG QQDQLLAICNADLGWHISPSFKDRVAPGPGLGLTLQSLTVNDTGBYFCIYHTYPDGTYTG 240 180 240 120 120

S 밁 Ś 밁 Ś 문

Ś 문 á 밁 Ś 밁 Ś 밁 ន្តន្តន្តន្តន្ត្ Query Match Best Local Similarity Matches 244; Conser stimulation of chondrocytes. The nucleic acids of the invention may useful for the manufacture of a medicament for diagnosing or treatin tumour in a mammal. In addition, they may be useful for measuring or detecting the expression of a tumour associated gene. The present sequence is the amino acid sequence of a human PRO protein of the Sequence 257 241 194 181 121 134 74 61 14 RKSAGQEEWSPSAPSPPGSCVQAEAAPAGLCGEQRGEDCAELHDYFNVLSYRSLGNCSFF RIFLEVLESSVAEHGARFQIPLLGAMAATLVVICTAVIVVVALTRKKKALRIHSVEGDLR QQDQLLAICNADLGWHISPSFKDRVAPGPGLGLTLQSLTVNDTGEYFCIYHTYPDGTYTG MRWCLLLIWAQGLRQAPLASGMMTGTIETTGNISAEKGGSIILQCHLSSTTAQVTQVNWB TEIG TETG 244 RIFLEVLESSVAEHGARFQIPLLGAMAATLVVICTAVIVVVALTRKKKALRIHSVEGDLR QQDQLLAICNADLGWHISPSFKDRVAPGPGLGLTLQSLTVNDTGEYFCIYHTYPDGTYTG MRWCLLLIWAQGLRQAPLASGMMTGTTETTGNISABKGGSIILQCHLSSTTAQVTQVNWB RKSAGQEEWSPSAPSPPGSCVQAEAAPAGLCGEQRGEDCAELHDYPNVLSYRSLGNCSPP Conservative B 100.0%; 0 Score 1286; DB 7; Pred. No. 1.2e-112; ); Mismatches 0; Indels Length 0; Gaps 240 193 253 180 120 73 8 133 ø

## RESULT 4 ADA21139 ID ADA2 XX AC ADA2 XX

ADA21139 standard; protein; 311

(first entry)

SECP-44 SEQ ID NO:44

renal tubular acidosis; anaemia; mental retardation; neurological disorder; Alzheimer's disease; Parkinson's disease; epilepsy; autoimmune disorder; Inflammatory disorder; AIDS; allergy; asthma; autoimmune thyroiditis; contact dermatitis; Crohn's disease; diabetes mellitus; glomerulonephritis; Goodpasture's syndrome; gout; Graves' disease; Hashimoto's thyroiditis; irritable bowel syndrome; multiple sclerosis; osteoarthritis; osteoporosis; pancreatitis; Reiter's syndrome; rheumatoid arthritis; Sjogren's syndrome; uveitis protozoacide; fungicide; gene therapy; cell proliferative disorder; arteriosclerosis; atherosclerosis; clirhosis; hepatitis; paroxysmal nocturnal haemoglobinuria; polycythaemia vera; psoriasis; primary thrombocytopaenia; cancer; developmental disorder; antiparasitic; antihelminthic; antipsoriatic; uropathic;
ophthalmological; antirheumatic; haemostatic; antibacterial; virucide; human; secreted protein; SECP; anti-HIV; antiallergic; antiinflammatory; antianaemic; antiparkinsonian; nootropic; anticonvulsant; antigout; thyromimetic; neuroprotective; osteopathic; cytostatic; scierotic; antiasthmatic; immunosuppressive; antithyroid; hepatotropic; dermatological; antidiabetic; nephrotropic antiarthritic;

WO2003068943-A2

HANDER STANDER 13-FEB-2003; 2003WO-US004712.

Homo sapiens

This invention relates to novel nucleic acids encoding human PRO secreted and transmembrane proteins. Extracellular proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells (for example proliferation, migration or differentiation) is typically governed by information received from other cells and the immediate environment. The information

Claim 10;

SEQ ID NO 500; 918pp; English

is often transmitted by secreted polypeptides (for example mitogenic factors, survival factors, cytotoxic factors, differentiation factors, neuropeptides and hormones) which are received and interpreted by diverse cell receptors or membrane bound proteins. These membrane bound proteins and receptors may be of use as pharmaceutical and diagnostic agents, such as in the blocking of receptor-ligand interactions. The current invention provides the amino acid sequences of novel human membrane bound receptors and proteins, along with the CDNA sequences encoding them. The novel proteins of the invention may have cytostatic activities through the

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                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                asthma, autoimmune thyroiditis, contact dermatitis, Crohn's disease, diabetes mellitus, glomerulonephitis, Goodpasture's syndrome, gout, Graves' disease, Hashimoto's thyroiditis, irritable bowel syndrome, multiple sclerosis, osteoarthritis, osteoporosis, pancreatitis, Reiter's syndrome, rheumatoid arthritis, Sjogren's syndrome, uveitis), or viral, bacterial, fungal, parasitic, protozoan or helminthic infections. The SECP and polynucleotides are also useful in assessing the effects of exogenous compounds on the expression of nucleic acids secreted proteins. The polynucleotides encoding SECP are useful for creating transgenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 fungicide activities, and can be used in gene therapy. The human secreted proteins (SECP), polynucleotides, agonists and antagonists of the present invention are useful for diagnosing, treating or preventing disorders associated with aberrant expression of SECP, particularly cell proliferative disorders (e.g. arteriosclerosis, atherosclerosis, cirrhosis, hepatitis, paroxymmal nocturnal haemoglobinuria, polycythaemia vera, psoriasis, primary thrombocytopaenia or cancer), developmental disorders (e.g. renal tubular acidosis, anaemia or mental retardation), neurological disorders (e.g. Alzheimer's disease, Parkinson's disease or epilepsy), autoimmune/inflammatory disorders (e.g. AlDS, allergies, espilepsy), autoimmune/inflammatory disorders (e.g. AlDS, allergies,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lehr-Mason PM, Kable AE, Elliott VS, Marqui
Chawla NK, Tran UK, Jin P, Tang YT, Zebarj
Hafalla AJA, Cocks BG, Warren BA, Emerling
Peterson DP, Pu GK, Yue H, Jackson AA, Jia
Khare R, Lee S, Lee SY, Richardson TW, Cha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New human secreted proteins and polynucleotides, useful for diagnosing, treating or preventing autoimmune or inflammatory disorders (e.g. AIDS, allergy, asthma or anemia), multiple sclerosis, osteoporosis, cancer or
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antiparkineonian, nootropic, anticonvulsant, antiarteriosclerotic, antiasthmatic, immunosuppression, cytostatic, hepatotr dermatological, antidiabetic, nephrotitropic, antigout, thyromimetic, neuroprotective, osteopathic, antiarthritic, antiparasitic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present sequence represents a human secreted protein (I) designated SECP-44. (I) have anti-HIV, antiallergic, antiinflammatory, antianaemic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page 245-246; 295pp; English
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06-MAR-2002; 2002US-0362439P
19-MAR-2002; 2002US-0366041P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  animals to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antihelminthic, antipsoriatic, uropathic, ophthalmological, antirheumatic, haemostatic, antibacterial, virucide, protozoacide and
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                                                                                                                                                                                                                                                                                                                          y Match 100.0%;
Local Similarity 100.0%;
hes 244; Conservative (
                181
                                                          188
                                                                                 121 RIFLEVLESSVAEHGARFQIPLLGAMAATLVVICTAVIVVVALTRKKKKALRIHSVEGDLR
                                                                                                                                              128 QQDQLLAICNADLGWHISPSFKORVAPGPGLGLTLQSLTVNDTGSYPCIYHTYPDGTYTG
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                                                                                                                                                                                                                                                                1 MRWCLLLIWAQGLRQAPLASGMMTGTIETTGNISARKGGSIILQCHLSSTTAQVTQVNWB
RKSAGQEEWSPSAPSPPGSCVQAEAAPAGLCGEQRGEDCAELHDYFNVLSYRSLGNCSFF
                                                          RIFLEVLESSVAEHGARFQIPLLGAMAATLVVICTAVIVVVALTRKKKALRIHSVEGDLR
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                                                                                                                                                                                        QQDQLLAICNADLGWHISPSFKDRVAPGPGLGLTLQSLTVNDTGEYFCIYHTYPDGTYTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  disease.
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Pred. No. 1.6e-112
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Zebarjadian Y, Swarnakar
Smerling BM, Pearson CI, Cl
AA, Jiang X, Hawkins PR,
TW, Chang H;
                                                                                                                                                                                                                                                                                                                                               1.6e-112;
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(, Swarnakar A;
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R, Lal PG;
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248

RKSAGQBEWSPSAPSPPGSCVQABAAPAGLCGEQRGBDCABLHDYPNVLSYRSLGNCSFF

307

181 RKSAGQEEWSPSAPSPPGSCVQAKAAPAGLCGEQRGEDCAELHDYFNVLSYRSLGNCSFF

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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a novel human polynucleotide and the encoded polypeptide. A polynucleotide of the invention may have a use in gene therapy. An oligonucleotide of the invention ADM06202-ADM06773 is useful as a primer for synthesizing the polynucleotide or as a probe for detecting the polynucleotide. The polynucleotide and ADM01316-ADM03758 are useful in gene therapy, for developing a diagnostic marker or medicines for regulating their expression and activity, or as a target of gene therapy. The proteins ADM03759-ADM06201 encoded by the polynucleotides are useful as pharmaceutical agents. The present sequence represents a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New polynucleotides and polypeptides are useful in gene therapy, developing a diagnostic marker or medicines for regulating their expression and activity, or as a target of gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 244 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID NO 4183; 305pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-723558/69.
N-PSDB; ADM03055.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 human; gene therapy; diagnostic marker; pharmaceutical.
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   121
                              121. RIFLEVLESSVAEHGARFQIFLLGAMAATLVVICTAVIWVALIRKKKALRIHSVEGDLR 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         308
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                                                                                                                                                                                                                                                                      1 MRWCLLLIWAQGLRQAPLASGMMTGTIETTGNISAEKGGSIILQCHLSSTTAQVTQVNWB
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                                                                                                                                               QQDQLLAICNADIGWHISPSFKDRVAPGPGIGLTLQSLTVNDTGBYFCIYHTYPDGTYYG 120
   RIFLEVLESSVAEHGARFQIPLLGAMAATLVVICTAVIVVVALTRKKKALRIHSVEGDLR
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                                                                                                                 QQDQLLAI CNADLGWHISPSFKDRVAPGPGLGLTLQSLTVNDTGRYFCIYHTYPDGAYTG
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                                                                                                                                                                                                                                                                                                                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           the invention.
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Hio Y, Otsuka K, Nagai K, Irie
Otsuka M, Nagahari X, Masuho Y;
                                                                                                                                                                                                                                                                                                                                                Score 1281; DB 7;
Pred. No. 3.4e-112;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                          Length
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                                                                                                                                                                                                                                                                                                                                                                                                                244;
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